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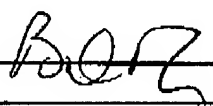
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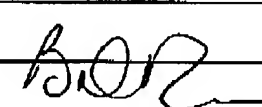
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/821,022	
	Filing Date	04/07/2004	
	First Named Inventor	Jamea E. ROBBINS	
	Art Unit	3861	
	Examiner Name		
Total Number of Pages in This Submission	8	Attorney Docket Number	TNL A-1006C1

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Firm or Individual name	Bruce D. Riter	
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Date	25 June 2004	

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Application Number	10/821,022															
Filing Date	04/07/2004															
First Named Inventor	James E. Robbins															
Art Unit	3681															
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Attorney Docket Number	TNL A-1006C1															
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		Number- Kind Code ² (If known)			
		US- 5,442,363	08/15/1995	Remondi	
		US- 5,369,934	2/14/1995	Kass	
		US- 5,379,320	1/3/1995	Fernandes et al.	
		US- 5,365,447	11/15/1994	Dennis	
		US- 5,359,521	10/25/1994	Kyrtsos et al.	
		US- 5,345,245	06/8/1994	Ishikawa et al.	
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		US- 5,245,634	9/14/1993	Averbuch	
		US- 5,243,530	9/7/1993	Stanifer et al.	
		US- 5,235,633	8/10/1993	Dennison et al.	
		US- 5,223,923	6/29/1993	Morales-Garza	
		US- 5,220,333	6/15/1993	Penrod	
		US- 5,148,179	9/15/1992	Allison	
		US- 5,138,631	8/11/1992	Taylor	
		US- 5,130,987	7/14/1992	Fiammer	
		US- 5,111,209	5/5/1992	Toriyama	
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		US- 5,099,245	3/24/1992	Sagey	
		US- 5,001,730	3/19/1991	Fransaszek et al.	
		US- 4,918,609	4/17/1990	Yamaweki	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		WO 92/03747 WO 93/00593	03/05/1992 01/07/1993	Leica Heerbrugg AG Trimble Navigation	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/821,022
				Filing Date	04/07/2004
				First Named Inventor	James E. Robbins
				Art Unit	3881
				Examiner Name	
Sheet	2	of	7	Attorney Docket Number	TNL A-1008C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code 2 (if known)			
		US- 4,814,711	03/21/1989	Olsen et al.	
		US- 4,809,005	2/28/1989	Counselman, III	
		US- 4,751,512	6/14/1988	Longaker	
		US- 4,607,257	8/19/1986	Noguchi	
		US- 4,582,434	4/15/1986	Plangger et al.	
		US- 4,543,857	9/24/1985	Wilkinson	
		US- 4,512,887	4/23/1985	Doulton et al.	
		US- 4,494,211	1/15/1985	Schwartz	
		US- 4,482,225	11/13/1984	Gygax et al.	
		US- 4,463,357	7/31/1984	MacDoran	
		US- 4,449,830	5/22/1984	Bulgar	
		US- 4,337,463	6/29/1982	Vangon	
		US- 4,334,314	6/8/1982	Nard et al.	
		US- 4,292,883	9/29/1981	Jueneman	
		US- 4,287,597	9/1/1981	Paynter et al.	
		US- 4,218,654	8/19/1980	Ogawa et al.	
		US- 4,209,975	7/1/1980	Montani et al.	
		US- 4,204,398	5/27/1980	Lenelson	
		US- 4,024,923	8/16/1977	Marrick	
		US- 4,014,166	3/29/1977	Cateora et al.	

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		Filing Date	04/07/2004
		First Named Inventor	James E. Robbins
		Group Art Unit	3661
		Examiner Name	
		Attorney Docket Number	TNL A-1006C1
Sheet	5	of	7

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		P. ENGE, WAAS Messaging System: Data Rate, Capacity, and Forward Error Correction, Navigation: Journal of the Institute of Navigation, Vol. 44, No. 1, Spring 1997, pp. 63-76	
		D. LAPUCHA et al., High-Rate Precise Real-Time Positioning Using Differential Carrier Phase, Navigation: Journal of the Institute of Navigation, Vol. 43, No. 3, 1996, pp. 1443-1449	
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		R. BARKER et al., Performance Comparison of Two Methods of Multiple Reference Stations DGPS, Proceedings of ION GPS-94, 20-23 September 1994, pp. 1035-1041	
		D. LAPUCHA et al., Multisite Real-Time DGPS System Using Satellite Data Link: Operational Results, Vol. 40, No 3, Fall 1993, pp. 283-296	
		H. ABIDIN, Multi-Monitor Station "On-the-Fly" Ambiguity Resolution: The Impacts of Satellite Geometry and Monitor Station Geometry, Plans '92 Position Location and Navigation Symposium, IEEE, 1992, pp. 412-418	
		C. KEE et al., Wide Area Differential GPS, Navigation: Journal of the Institute of Navigation, Vol. 38, No. 2, Summer 1991, pp. 123-145	
		GPS Interface Control Document ICD-GPS-200, ARINC Research Corporation, Revision B, 1991	
		J. ROBBINS, Reference Trajectories From GPS Measurements, Navigation: Journal of The Institute of Navigation, Vol. 35, No. 1, Spring 1988, pp. 89-103	

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		Filing Date	04/07/2004
		First Named Inventor	James E. Robbins
		Group Art Unit	3881
		Examiner Name	
		Attorney Docket Number	TNL A-1006C1
Sheet	6	of	7

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		R. HATCH, The Promise of a Third Frequency, GPS World, May 1996, pages 55-58	
		P. ENGE et al., Wide Area Augmentation of the Global Positioning System, Proceedings of the IEEE, Vol. 84, No. 8, August 1996, pages 1063-1088	
		D. LAPUCHA et al., Multi-Site Real-Time DGPS System Using Starfix Link; Operational Results, ION GPS-92 Proceedings, 16-18 Sept. 1992, pages 581-588	
		M. LAGE et al., The FAA's WIB/WDGPS Testbed and Recent Test Results, ION GPS-93 Proceedings, 22-24 Sept. 1993, pages 487-493	
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		C. KEE, Wide Area Differential GPS (WADGPS), Chang-don Kee, Dec. 1993, pp. 1-128	
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		H. JANES et al., Analysis of tropospheric delay prediction models: comparisons with ray-tracing and implications for GPS relative positioning, Bulletin Geodesique, vol. 65, pages 151-161, 1991	
		T. WALTER et al., Flight Trials of the Wide Area Augmentation system (WAAS) ION GPS-94 Proceedings, 20-23 Sept. 1994, pages 1537-1546	

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